In the Claims:

Please cancel claims 46, 61-62 and 64-67, without prejudice, and amend claims 47-49, 51, 54, 55, 58-60 and 63, as follows.

1-46. (Cancelled)

47. (Currently Amended) The anastomosis device of claim 6046 wherein the tubular member is pre-shaped and has at least a first bend along a length of the member.

48. (Currently Amended) The anastomosis device of claim 6047 wherein a the portion of the tubular member extends at an angle of between 30° and 90° relative to a the longitudinal centerline.

49. (Currently Amended) The anastomosis device of claim 6046 wherein said tubular member is formed from a biocompatible material.

50. (Original) The anastomosis device of claim 49 wherein said biocompatible material is bioerodable.

51. (Currently Amended) The anastomosis device of claim 49 46 wherein said biocompatible material comprises a polymeric material.

52. (Original) The anastomosis device of claim 51 wherein said polymeric material is selected from a group consisting of a polymer, a homopolymer, and a copolymer.

53. (Original) The anastomosis device of claim 52, wherein the polymeric material is a polycaprolactone.

54. (Currently Amended) The anastomosis device of claim 6046 wherein an end portion of the graft lumen vessel is everted over an end margin of the tubular member.

55. (Currently Amended) The anastomosis device of claim 54 wherein the tubular member has an adhesive surface and the end portion of the graft lumen vessel is adhered to the tubular member.

56. (Original) The anastomosis device of claim 49 wherein the tubular member includes a chromophore.

57. (Original) The anastomosis device of claim 56 wherein said chromophore is a dye.

58. (Original) The anastomosis device of claim 6046 wherein said tubular member is impregnated with one or more agents selected from the group consisting of anti-platelet, anti-thrombus, and anti-inflammatory compounds.

59. (Currently Amended) The anastomosis device of claim 6046 wherein the tubular member is impregnated with one or more anti-proliferative compounds.

60. (Currently Amended) A fastener for sealingly joining a graft lumen ~~vessel~~ to a target vessel in an anastomosis, the target vessel having an opening formed in a side wall thereof, the fastener comprising a tubular member formed of a deformable material and sized and dimensioned for receiving an end portion of said graft lumen~~vessel~~, said tubular member being transformable upon application of energy to the tubular member between a fluent state in which the tubular member is radially expandable to permit radial expansion of the graft lumen vessel, and a non-fluent state in which the tubular member retains the end portion of the graft lumen in its expanded state in sealing engagement with the target vessel. ~~said tubular member has an outer diameter smaller than the opening in the target vessel, and a fluent state in which said tubular member is radially expandable to permit said graft vessel to be forced into sealing engagement with an inner wall of the target vessel.~~

61-62. (Cancelled)

63. (Currently Amended) The fastener of claim ~~61~~ 60 wherein the tubular member comprises a ~~said~~ material ~~is~~ selected from a group consisting of polyethylene-glycol (PEG) based hydrogels, acrylates, and acrylated urethanes.

64-67. (Cancelled)